

13 -06- 2001

CLAIMS

1. An adjustable spinal brace comprising an anterior abdominal pad (7), a posterior frame (1) and lateral iliac rolls (3), said iliac rolls (3) to be positioned at the top of the pelvis bone (crista iliaca), and the abdominal pad (7) and the posterior frame (1) being interconnected by a connection means, **characterised** in that the connection means comprises said iliac rolls (3) and straps (4) to be connected to the anterior abdominal pad (7), and in that the posterior frame (1) has an adjustable lumbar pad (2) provided with pressure setting means (8) for setting the distance between the lumbar pad (2) and the posterior frame (1), thereby enabling an adjustment of the applied pressure.

2. A spinal brace according to claim 1, **characterised** in that the lumbar pad also (2) is adjustable in height.

3. A spinal brace according to claim 1 or 2, **characterised** in that the pressure setting means comprises a screw jack (8, 16).

4. A spinal brace according to claim 3, **characterised** in that the screw jack comprises a vertically placed adjusting screw (8).

5. A spinal brace according to claim 3 or 4, **characterised** in that the position of the screw (8) of the screw jack is adjustable in the lateral direction.

6. A spinal brace according to any of the previous claims, **characterised** in that the posterior frame (1) comprises two vertical struts (12), a cranial horizontal support (5) and a caudal horizontal support (6).

7. A spinal brace according to claim 6, **characterised** in that the cranial horizontal support (5) and the caudal horizontal supports (6) are adjustable in height.

8. A spinal brace according to any of the previous claims, **characterised** in that straps (4) are provided between the iliac rolls (3) and the abdominal pad (7).

9. A spinal brace according to claim 8 and 6 or 7, **characterised** in that straps (4) are provided between the horizontal supports (5, 6) and the abdominal pad (7).

10. A spinal brace according to any of the previous claims, **characterised** in that the anterior abdominal pad (7) is lightweight and concave and adapted to cover the abdomen substantially from the symphysis to the sternum point.

11. A spinal brace according to claim 10, **characterised** in that the cranial border of the anterior abdominal pad (7) is shaped after the lower ribs.